

FIBERGLAS HELMETS



FIBRE-METAL

FIBRE-METAL compression-molded, Fibreglas-reinforced, Polyester Resin Helmet Shells offer the very finest in durable face protection. Proper glass fibre distribution and added edge strength (beaded), produced under strict FIBRE-METAL quality control, insure long-lasting, trouble-free performance. Shells are absolutely self-extinguishing to give completely safe protection. They are unaffected by heat and moisture — will not warp or lose shape — may be easily and quickly cleaned and sterilized.



INNER BIB

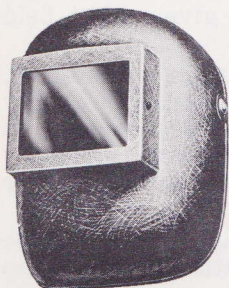
No. 600 SERIES with standard-size Shell, features extended neck and chest protection with greater ventilation. Also may be ordered with Inner Bib (illustrated at left) at small additional charge, to give extra fume and light seal.

No. 700 SERIES with standard-size Shell, offers excellent fume and light seal with extra ventilation.

No. 810 SERIES with standard-size Shell, offers same excellent fume and light seal as 700 SERIES, but incorporates extended crown for increased overhead protection. Four Screen Ventilators in crown section provide improved ventilation.

No. 670 SERIES with popular narrow-front Shell, offers compact, narrow and lightweight protection. Excellent for welding in tight spots. This shell eliminates flat, spatter-collecting surfaces — less pitting — lasts longer.

For more complete information, **ASK FOR A "FIBRE-METAL" CATALOG!**



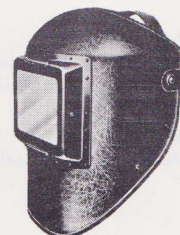
880-3-C

WIDE-VISION HELMETS

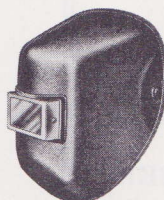
Here's the very latest in Welding Helmets. The **NEW 880-3-C HELMET** with big ($4\frac{1}{2}'' \times 5\frac{1}{4}''$) vision is **LIGHT WEIGHT** and **LOW IN COST**. Complete with filter and cover lens, this model weighs and costs no more than helmets with Standard size Lens ($2'' \times 4\frac{1}{4}''$), yet gives 17.1 sq. inches of unobstructed viewing area (small size $2'' \times 4\frac{1}{4}''$ gives 7.3 sq. in.).

The 880 also includes our new all plastic and Aluminum 3-C ratchet headsize adjustment headgear.

Wide Vision is also available with straight front Helmet model 608-3-C as illustrated.

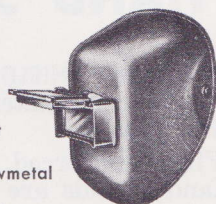


608-3-C



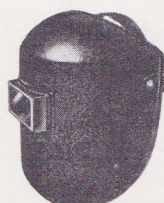
672-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1085 Steel
Positioning Stop: "S"
670-3-C (Alternate)
Glassholder: 1130 Plastic



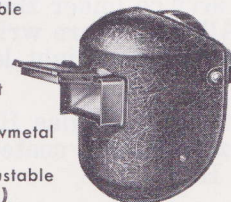
676-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1096 Dowmetal
Positioning Stop: "S"
674-3-C (Alternate)
Glassholder: 1136 Plastic



702-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1085 Steel
Positioning Stop: "S"
Chin Rest: 1182 Adjustable
700-3-C (Alternate)
Glassholder: 1130 Plastic



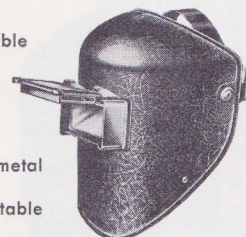
706-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1096 Dowmetal
Positioning Stop: "S"
Chin Rest: 1182 Adjustable
704-3-C (Alternate)
Glassholder: 1136 Plastic



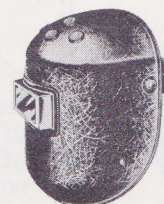
602-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1085 Steel
Positioning Stop: "S"
Chin Rest: 1182 Adjustable
600-3-C (Alternate)
Glassholder: 1130 Plastic



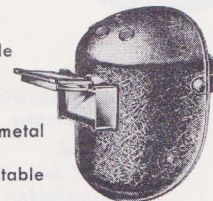
606-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1096 Dowmetal
Positioning Stop: "S"
Chin Rest: 1182 Adjustable
604-3-C (Alternate)
Glassholder: 1136 Plastic



812-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1085 Steel
Positioning Stop: "S"
Chin Rest: 1182 Adjustable



816-3-C

Headgear: 3-C Ratchet
Friction Joints: "C"
Glassholder: 1096 Dowmetal
Positioning Stop: "S"
Chin Rest: 1182 Adjustable

WELDING HAND SHIELDS

FIBRE-METAL HAND SHIELDS are available in a wide variety of styles and materials to meet every welding requirement.

Glass Fibre-reinforced, Polyester Resin **FIBER-GLAS** Hand Shields are unaffected by heat and moisture (will not warp or lose shape), may be easily cleaned and sterilized, and are absolutely self-extinguishing.

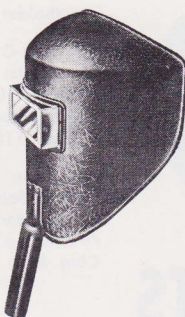
Seamless (one-piece), Vulcanized Fibre models are formed and fabricated to offer prolonged, rugged service under the stiffest working conditions. All models are wrinkle free, and eliminate any possibility of light leak through seam separation.

HANDLES for Fibreglas Hand Shields are formed Vulcanized Fibre, coated to prevent warpage (No. B Handle).

HANDLES for Vulcanized Fibre Hand Shields are formed Vulcanized Fibre (No. A Handle).

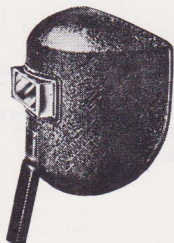


889-B
Shell Material: Fibreglas
Lens Size: 4½" x 5¼"



603-B
Shell Material: Fibreglas
Glassholder: 1085 Steel

415-A
Shell Material: Fibre
Glassholder: 1085 Steel

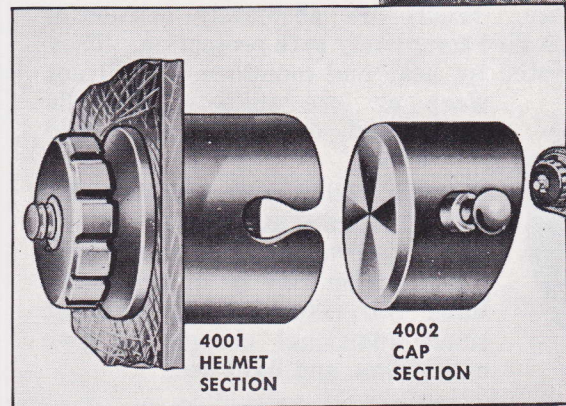


703-B
Shell Material: Fibreglas
Glassholder: 1085 Steel

215-A
Shell Material: Fibre
Glassholder: 1085 Steel



FIBRE-METAL



No. 4000

4702-P-20

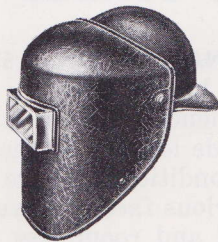
Quick-Lok®

No. 4000 QUICK-LOK ATTACHMENT gives positive connection of Helmet Shell and Safety Cap, yet permits quick removal of Helmet Shell for use of Safety Cap only. Attachment is compact, insulated, and does not spread Helmet Shell — eliminates unnecessary stresses. Joint Friction is easily adjusted from outside of Helmet Shell. Helmet Shell and Safety Cap are properly positioned to give widest field of vision.

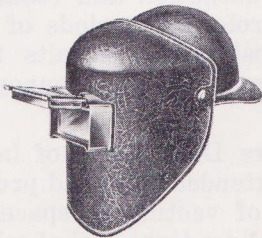
Wide-based, compact plastic plugs, with solid brass, spring-loaded plungers, are securely attached to Safety Cap Shell. When plungers are depressed, keyhole slots in Cup washers on Helmet Shell dovetail with plungers. Release of plungers locks Cap and Helmet Shell together (see illustration).

QUICK-LOK is designed to specifically avoid breakage usually associated with similar-type attachments. Cap plugs present minimum projection when cap is worn without Helmet Shell. Helmet Shell cup washers are in protected position, and cannot be damaged while Helmet Shell is detached from Cap.

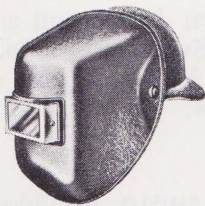
COMBINATION WELDING HELMETS



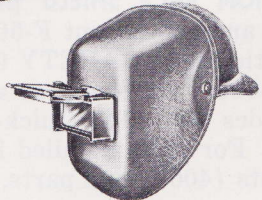
4602-P-2Q
 Shell Mat.: Fiberglas
 Glassholder: 1085 Steel
 Attachment: 4000
 Positioning Stop: "S"
 Chin Rest: 1182 Adjustable
 Cap: P-2Q "Superglas"
4600-P-2Q (Alternate)
 Glassholder: 1130 Plastic



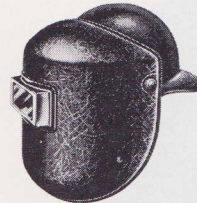
4606-P-2Q
 Shell Mat.: Fiberglas
 Glassholder: 1096 Dowmetal
 Attachment: 4000
 Positioning Stop: "S"
 Chin Rest: 1182 Adjustable
 Cap: P-2Q "Superglas"
4604-P-2Q (Alternate)
 Glassholder: 1136 Plastic



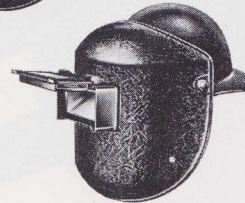
4672-P-2Q
 Shell Mat.: Fiberglas
 Glassholder: 1085 Steel
 Attachment: 4000
 Positioning Stop: "S"
 Cap: P-2Q "Superglas"
4670-P-2Q (Alternate)
 Glassholder: 1130 Plastic



4676-P-2Q
 Shell Mat.: Fiberglas
 Glassholder: 1096 Dowmetal
 Attachment: 4000
 Positioning Stop: "S"
 Cap: P-2Q "Superglas"
4674-P-2Q (Alternate)
 Glassholder: 1136 Plastic

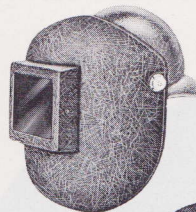


4702-P-2Q
 Shell Mat.: Fiberglas
 Glassholder: 1085 Steel
 Attachment: 4000
 Positioning Stop: "S"
 Chin Rest: 1182 Adjustable
 Cap: P-2Q "Superglas"
4700-P-2Q (Alternate)
 Glassholder: 1130 Plastic

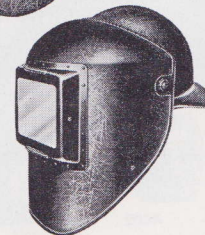


4706-P-2Q
 Shell Mat.: Fiberglas
 Glassholder: 1096 Dowmetal
 Attachment: 4000
 Positioning Stop: "S"
 Chin Rest: 1182 Adjustable
 Cap: P-2Q "Superglas"
4704-P-2Q (Alternate)
 Glassholder: 1136 Plastic

WIDE-VISION



4880-P-2Q
 Shell Mat.: Fiberglas
 Attachment: 4000
 Positioning Stop: "S"
 Cap: P-2Q "Superglas"



4608-P-2Q
 Shell Mat.: Fiberglas
 Glassholder: 1095 Steel
 Attachment: 4000
 Positioning Stop: "S"
 Chin Rest: 1182 Adjustable
 Cap: P-2Q "Superglas"

Where welding must be done under hazards of falling or flying objects, FIBRE-METAL HELMET-**SAFETY CAP COMBINATIONS** offer practical, dependable protection.

Exclusive "QUICK-LOK" Attachment (See Page 2) provides quick, easy combination of Helmet Shells and Safety Caps. Attachment joints are completely insulated, and both Helmet and Cap sections are designed to eliminate rusting, cracking or breaking. Joint friction is easily adjusted!

FIBERGLAS compression-molded, glass fibre-reinforced, Polyester Resin Helmet Shells insure long-lasting, trouble-free performance. Shells are self-extinguishing for complete protection, and are unaffected by heat or moisture — will not warp or lose shape — may be easily and quickly cleaned and sterilized.

HELMET SHELLS (only) may be ordered — delete "P-2Q" in number designation. QUICK-LOK FIELD KITS are available as No. 4000 (Complete Unit), 4001 (Helmet section) or 4002 (Cap section).

SUPERGLAS Fiberglas-reinforced Plastic Safety Caps are recommended for use with No. 4000 Quick-Lok (P-2Q).

SUPERLITE Aluminum Safety Caps (New) may also be used with No. 4000 Quick-Lok (A-2Q).

No. 3-Q HEADGEAR is also available to permit use of the above shells with a conventional headgear as well as Safety Caps.



3-Q



P-2Q

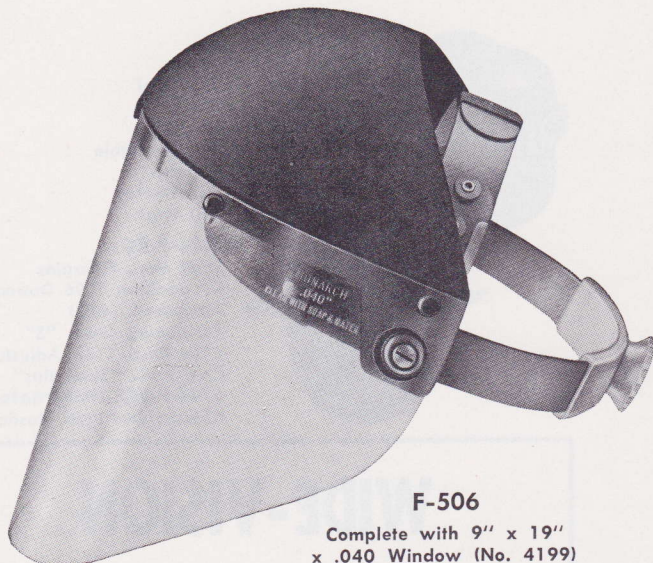


A-2Q

FIBRE-METAL

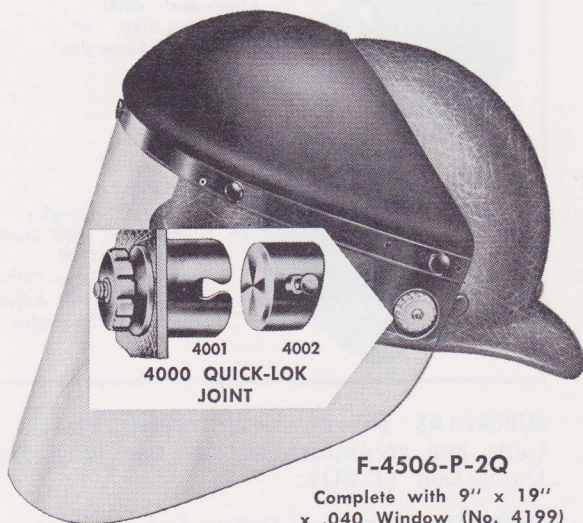


MONARCH[®] "F-506" FACE SHIELD



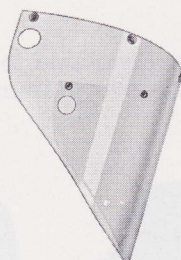
F-506

Complete with 9" x 19"
x .040 Window (No. 4199)



F-4506-P-2Q

Complete with 9" x 19"
x .040 Window (No. 4199)



CLEAR



GREEN
(Light, Med. or Dark)

FIBRE-METAL'S F-506 "MONARCH" FACE SHIELD offers wide area face and head protection with unusual comfort and convenience. Construction is sturdy and precise to provide lengthy service life under severest working conditions, where low-impact particles present serious face and eye hazards. Excellent ventilation and roominess allow comfort during prolonged periods of continuous use. Window positioning permits the use of prescription glasses with no annoying shield interference.

Vulcanized Fibre Deflector is of large dimensions to provide extended overhead protection and to permit plenty of ventilation space. Rabbeted deflector edge provides tight seal at window edge, and avoids deflector warpage.

This Shield incorporates the New 3-C Headgear with "C" type Friction Joints and a comfortable padded leatherette Sweatband (No. 44). Genuine leather Sweatband No. 45 is also available. WINDOWS—see below.

F-4506 COMBINATION FACE SHIELD provides the same comfortable and convenient F-506 face protection in conjunction with SAFETY CAPS. It is identical to the F-506 (less headgear and friction joints), but includes No. 4001 Quick-Lok Joints (see illustration). For more detailed information on Quick-Lok Joints (4000) and parts, see Page 2

When face protection is no longer needed, the F-4506 Shield can be quickly removed from the Safety Cap. Caps require simple attachment of Quick-Lok plugs. Use of FIBRE-METAL "SUPERGLAS" or "SUPERLITE" Safety Cap is recommended with this shield. Use Cap No. P-2Q or A-2Q. No. 3-Q Headgear also fits this shield.

F-506 & F-4506 WINDOWS AND SCREENS are interchangeable. Acetate or Vinyl available in .020", .040" or .060" thickness. Acetate also available in three shades of Green (Lt., Med. or Dark) in .020", .040" or .060" thickness. Screens are #24 steel mesh (.014" Dia. wire) painted black and aluminum bound. All Windows & Screens measure 9 3/4" depth by 19" width and are formed to Deflector curvature to provide tight, leakproof fit.

**For more complete Face Shield information,
ASK FOR A FIBRE-METAL CATALOG!**

MONARCH[®] FACE SHIELDS



FIBRE-METAL

No. F-90 offers exceptional safety, comfort, convenience and economy. Complete with 6" x 11½" x .020" window, it weighs only 3¼ oz. You can hardly tell it's on your head! Comfortable polyethylene Headband (complete with plastic foam Sweatband—replaceable) conforms to any head like a favorite old felt hat, yet won't mildew, sour or rot. Cleans quickly in any detergent or soap. Headsize adjustment is easy and quick from size 6⅝ to 8 (in ⅛ sizes) to give snug comfort with no annoying pressures to the head. Even the deflector is strong, non-warping, high impact-resistant plastic for longer service life (without warping) and easy cleaning.

Overall design provides excellent spark and low-impact particle deflection with plenty of nose, spectacle and ventilation space—no fogging. Window-Deflector section pivots to "Up" position on strong friction joints that keep the position selected. HEADBAND... DEFLECTOR-JOINT SECTION... WINDOWS* are each independently replaceable—economical in cost.

No. F-300 is unmatched for compact, light yet rugged, and value-packed face protection. Deflector and Crown Support are non-warping, high impact-resistant plastic for long service life and easy cleaning. New Ratchet Headsize Adjustment, quick, easy and positive, is located on offset back straps that pivot to anchor shield on all heads, with less wearing pressure. Crown Support design balances and supports shield over wide area for greater comfort—minimum pressure around the head.

Deflector-Window section pivots to "Up" position on Adjustable Friction Joints that permit selection of exact desired pivot pressure. This shield is supplied complete with a soft, padded, wrinkle-free, genuine Leather Sweatband at no additional charge. Windows* and Sweatband are replaceable (Snap on). No finer quality face protection is available at any price!

*WINDOWS for Shield Nos. F-90 and F-300 are identical and interchangeable. "FLOATING" window snap fasteners insure perfect fit of all Acetate and Vinyl** windows to all shields. Window positioning gives plenty of nose, spectacle and ventilation space. Windows, Screens, and Lens Holder Front No. "F" are preformed to shape for maximum visibility.

ACETATE or VINYL** Windows (clear) are available in .020", .040" or .060" thickness. ACETATE Windows are also available in three shades of Green (Lt., Med. or Dark) in .020", .040" or .060" thickness. SCREEN Windows are of #24 Steel Mesh (.014" dia. wire) painted black for maximum visibility, and bound with aluminum.

No. "F" FIBRE FRONT contains the No. 1085 lens holder, permitting the use of standard 2" x 4¼" Welding or Safety lens.

ACETATE, VINYL and SCREEN Windows are available in sizes 5" x 11½"; 6" x 11½"; 8" x 11½"; 8" x 16½".

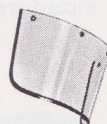
**Recommended for chemical splash hazards.



F-90
Complete with 6" x 11½"
x .020 Window (No. 2116)



F-300
Complete with 6" x 11½"
x .020 Window (No. 2116)



**2115
CLEAR**



**S118
SCREEN**

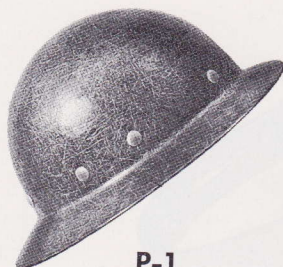


"F" FRONT

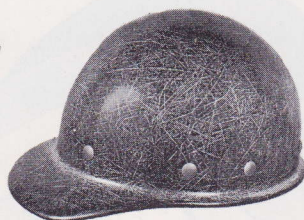
For more complete Face Shield information,
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FIBRE-METAL

SAFETY HATS & CAPS



P-1



P-2

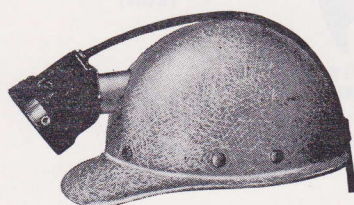
SuperGlas®

FIBRE-METAL "SUPERGLAS" Safety Hats and Caps offer top-notch protection and economy, with the comfort and smart appearance so necessary to the success of any head safety program. Exceptionally strong Fibreglas shells are thermosetting polyester resin, reinforced with glass fibres. Extra glass mat surface veiling provides extra abrasion—minor impact and weathering resistance. Completely smooth dome presents no dangerous projections where falling objects can catch to concentrate impact.

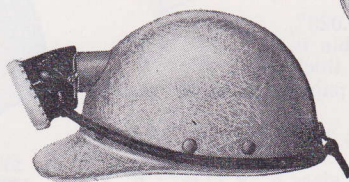
"SUPERGLAS" Hats and Caps meet all requirements of Federal Specifications GGG-H-142 B for impact, penetration, weight, electrical resistance, etc.

STANDARD COLORS: Yellow, White, Gray, Brown, Green, Blue, Red and Orange. Other colors available on special order — inquire!

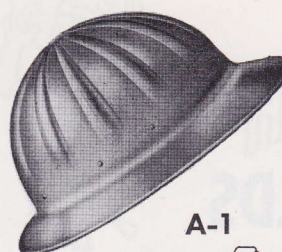
"SUPERGLAS" MINER'S HATS (M-1) and CAPS (M-2) are also available with the L-1 Universal Lamp Bracket of tough, durable plastic with heavy aluminum adapter plate to facilitate the use of any popular type lamp. Attachment method insulates bracket from hat or cap interior. Yellow color is standard — other colors — inquire!



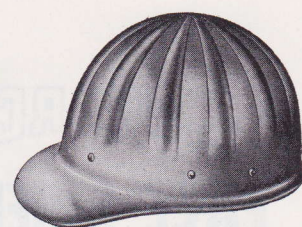
M-2 with
Edison Lamp



M-2 with
Wheat Lamp



A-1



A-2

SuperLite®

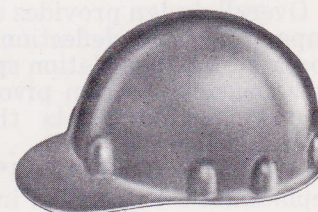
FIBRE-METAL "SUPERLITE" Aluminum Safety Hats and Caps are formed from aircraft-type Aluminum, and heat treated to produce maximum strength. Twelve deep ribs originating from crown center provide exceptional rigidity. Shells are extremely light and Anodized to give maximum heat reflection — also resist corrosion.

Design gives smart appearance to the wearer, and features lowest over-all height consistent with highest safety standards.

STANDARD COLORS: Bright, Satin Aluminum color. Anodized colors also available — inquire!



E-1

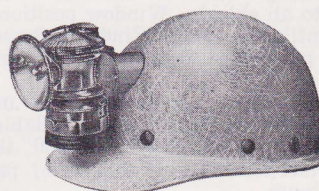


E-2

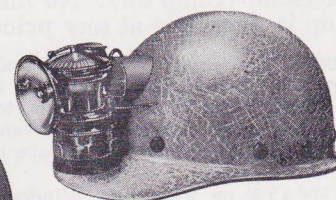
SuperElectric®

FIBRE-METAL "SUPERLECTRIC" Safety Hats and Caps offer exceptional protection from high voltage electrical hazards, as well as impact and penetration protection. (Meet EEI Specifications AP-1-6 1. Shells are of tough thermoplastic plastic to withstand high and low temperature requirements for impact. Smooth Dome presents no dangerous projections where falling objects can lodge to concentrate impact.

STANDARD COLORS: Yellow, White, Orange and Gray. Other colors also available — inquire!



M-2 with
Carbide Lamp
(Tong type)



M-2 with
Carbide Lamp
(Hook type)



C-1F SUSPENSION

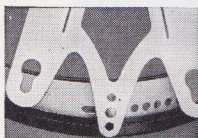


FIBRE-METAL

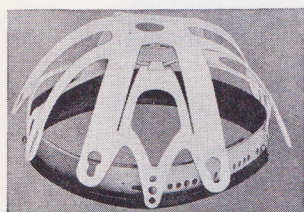
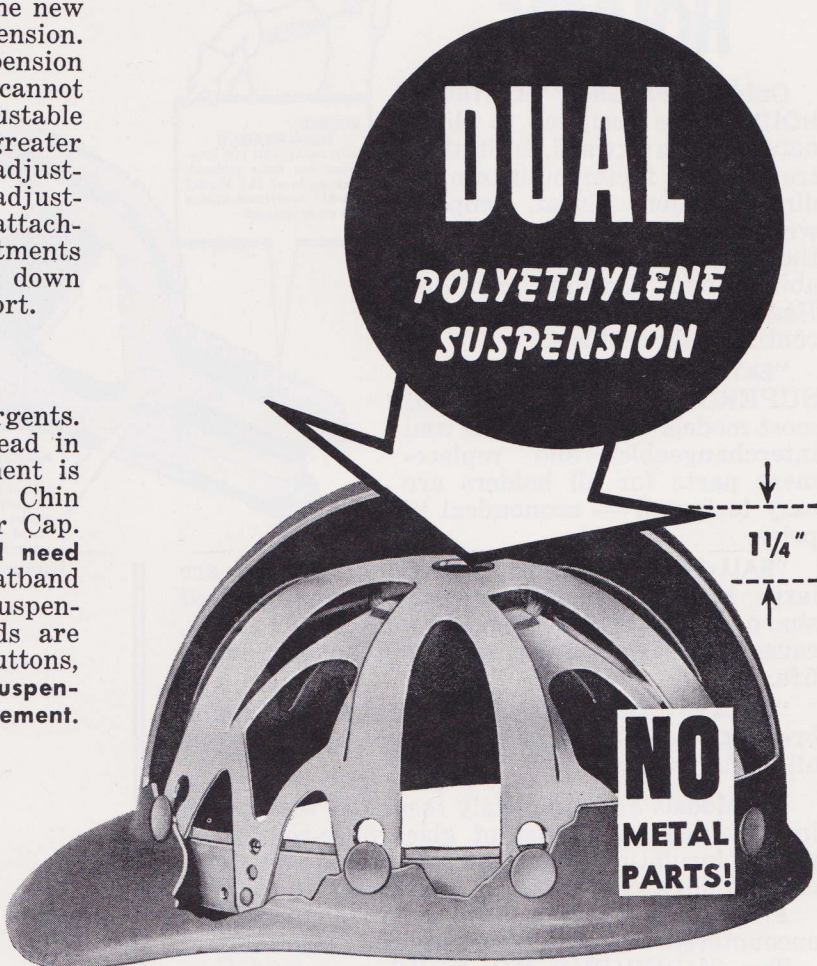
ALL FIBRE-METAL Safety Hats and Caps (Super-glas, Superlite and Superlectric) feature the new "C-1F" Polyethylene Plastic "**FIXED**" Suspension. Minimum safe space between top of suspension (head) and Hat or Cap Shell is fixed and cannot be changed. For individual fit, laced, adjustable portion of suspension can be changed for greater head to shell clearance. Additional depth adjustment is permitted by four three-position adjustments located at the point of sweatband attachment to the main suspension. These adjustments also permit tilting of the sweatband up or down in front or back for greater wearing comfort.

CONVENIENT - ECONOMICAL? . . . The C-1F can be easily and quickly cleaned and sterilized — is unaffected by detergents. "Deep" fit keeps Hat or Cap firmly on head in any working position. Head size adjustment is quick and easy — size range is 6½ to 8. Chin Strap provision standard on every Hat or Cap.

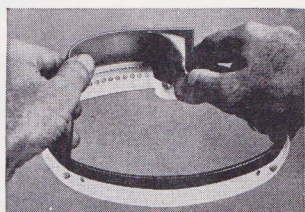
Most important, only the S-1F Sweatband need ever be replaced. Just snap out the old sweatband at four points of attachment to the main suspension and replace. Replacement sweatbands are supplied, complete with new attachment buttons, at only two thirds the cost of Webbing type suspensions that require frequent and complete replacement.



**RAISE . . .
LOWER . . .
TILT . . .
TO SUIT YOUR
WORK POSITION**



C-1F



S-1F

TESTED . . . SAFE? . . . The C-1F is attached to Hat or Cap Shell at **EIGHT** locations by tough (oversized) plastic buttons using the "Keyhole" principle (facilitates complete suspension removal when desired). Wide Polyethylene segments absorb shock — uniformly distribute shock and decrease intensity. Suspension construction uses



C-2 ELASTIC CHIN STRAP

No Metal Parts that might bend and lacerate the head on impact.

Both fixed and adjustable portions of suspension pass Fed. Spec. (GGG-H-142b) with plenty of margin.

COMFORT? . . . The C-1F is of amazing Polyethylene Plastic—won't rot (lose strength), mildew or smell—is soft and pliable and will take head contours immediately with no annoying pressures. All inner edges are rounded and depth adjustment lace is recessed to present a completely smooth surface to the head—maximum wearer comfort.

CHIN STRAPS (C-2) are of heavy elastic strapping, easily adjusted to any desired length and are supplied complete with plastic attachment links. Simply remove spacer links (provided on every **FIBRE-METAL** Safety Hat or Cap) and replace with Chin Strap Links.

Supergrip®

ELECTRODE HOLDERS



Only **SUPERGRIP ELECTRODE HOLDERS** are designed to eliminate every awkward, irritating, troublesome factor built into ordinary holders. Neat, compact, well-balanced design gives you the ultimate in holder maneuverability and handling comfort. Heat dissipation is rapid to give continuously cool use.

"**EXTRA LIFE**" is built right into **SUPERGRIP**. Jaw insulators of most models are replaceable and interchangeable, and replacement parts for all holders are easy to install — economical in price.

"**BALL-POINT**" Cable Connection Screws are large to give exceptional contact area *without* sharp edges that cut strands, reduce conductivity, cause excessive heating, and limit holder service life.

"**NECKED-DOWN**" Handles minimize cable strand breakage—avoid conductivity loss—prolong overall cable wear.

All Models are completely insulated with tough impact- and heat-resistant glass fibre-reinforced plastic insulation. Handles are high-quality vulcanized fibre, coated to add additional life.

Four Models completely cover all normally-encountered welding operations and currents.

Try **SUPERGRIP HOLDERS** — see if they aren't more comfortable, more economical, safer and easier to maintain than the holder you are now using. Ask your local Welding Supply Distributor about "**SUPERGRIP**" . . . **TODAY!**

MODEL A-M is aluminum — lightweight and compact in design. Jaw pads are replaceable, and trigger pivot hole has steel bushing to increase service life and maintain proper Jaw alignment. Jaw insulators are interchangeable.

MODELS C-S, C-M and C-L are hard copper alloy, designed to give minimum weight, yet cool operation. Upper and lower Jaw insulation is interchangeable on Models C-S (same as A-M insulation) and C-M.

SPECIFICATIONS:

Model No.	Material	Amps.	Rod Size	Weight	Cable Size
A-M	Aluminum	300	1/4"	13 1/2 oz.	Max. 3/0
C-S	Copper	250	7/32"	21 oz.	Max. 3/0
C-M	Copper	300	1/4"	21 1/2 oz.	Max. 3/0
C-L	Copper	500	3/8"	27 1/2 oz.	Max. 4/0

FIBRE-METAL

RUGGED, LONG-WEARING
interchangeable jaw insulators are easily replaced. Jaw pads of the Model "A-M" Aluminum holder are easily replaced.

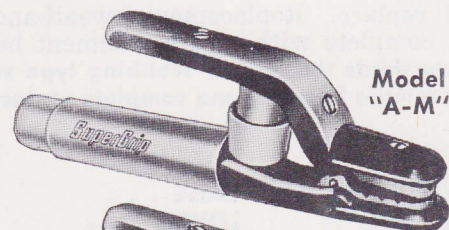
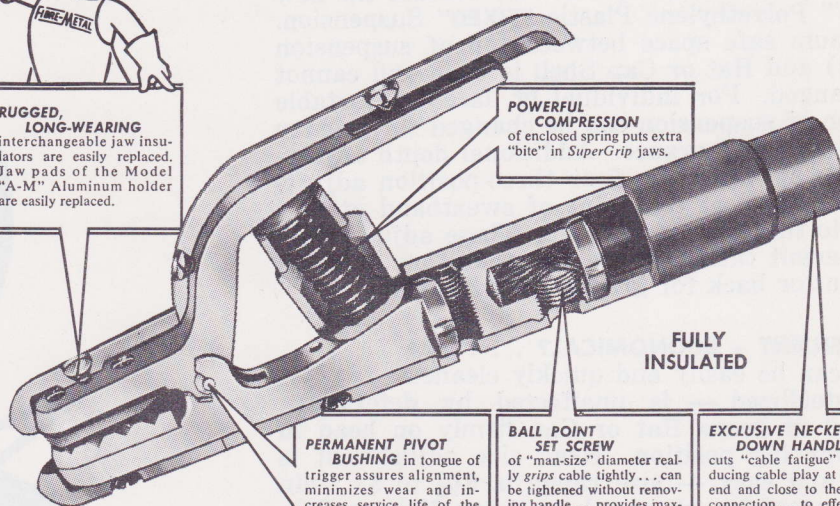
POWERFUL COMPRESSION
of enclosed spring puts extra "bite" in *Supergrip* jaws.

FULLY INSULATED

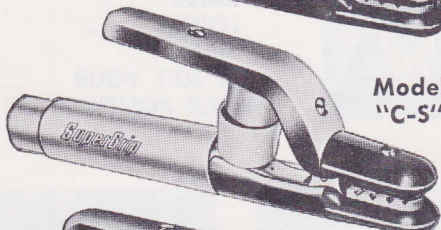
PERMANENT PIVOT BUSHING in tongue of trigger assures alignment, minimizes wear and increases service life of the Model "A-M" Aluminum holder for lowest cost.

BALL POINT SET SCREW of "man-size" diameter really grips cable tightly . . . can be tightened without removing handle . . . provides maximum current-conducting cross section.

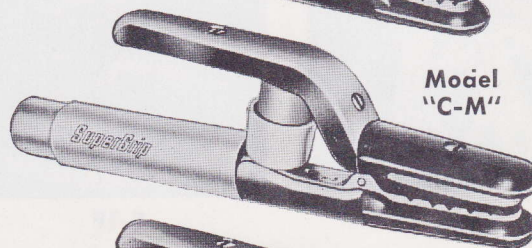
EXCLUSIVE NECKED-DOWN HANDLE cuts "cable fatigue" by reducing cable play at handle end and close to the cable connection . . . to effectively prevent fraying and fatigue of wire strands.



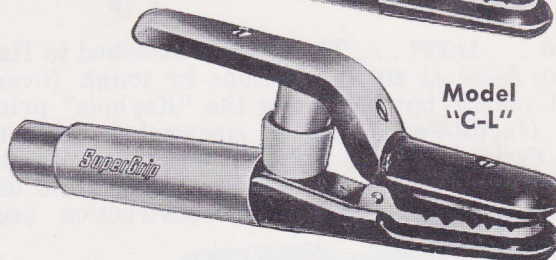
Model
"A-M"



Model
"C-S"



Model
"C-M"



Model
"C-L"